

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A bearing housing for accommodating a rotor shaft of a wind turbine, comprising:

a flange for connecting the bearing housing to a main frame of the wind turbine;

the flange having a connecting surface to be attached to the main frame of the wind turbine, wherein at least parts of the connecting surface, when seen from the top of the bearing housing, would be located below the rotor shaft, wherein the connecting surface of the flange includes a curved surface that extends from a first end to a second end of the flange.

2. (Currently amended) The bearing housing according to claim 1, wherein

~~the flange has a~~ connecting surface ~~that can be~~ is averaged by a plane; and

wherein the plane is inclined with respect to an axis of the rotor shaft ~~[[axis]]~~ by an angle of at least 20°.

3.- 4. (Cancelled)

5. (Previously presented) The bearing housing according to claim 1, wherein the connecting surface is arranged in one plane.

6. (Previously presented) The bearing housing according to claim 1 wherein the bearing housing is essentially a single cast iron component.

7. (Currently amended) The bearing housing according to claim 1, wherein the flange comprises openings for fastening means, and wherein at least in sections, these openings are arranged along a curvature of the curved surface.

8. (Currently amended) The bearing housing according to claim 1, wherein the bearing housing ~~is suitable for accommodating~~ comprises two bearings for holding the rotor shaft.

9. (Currently amended) The bearing housing according to claim [[1]] 8, wherein the two bearings are a locating bearing and a floating bearing.

10. (Previously presented) The bearing housing according to claim 1, wherein the flange has a thickness (d) below 120 mm.

11. (Previously presented) The bearing housing according to claim 1, wherein the connecting surface of the flange of the bearing housing is continuous.

12. (Previously presented) The bearing housing according to claim 1, wherein the connecting surface of the flange of the bearing housing has an area of at least 1.5 m².

13.-15. (Cancelled)

16. (Currently amended) A wind turbine comprising:
~~the bearing housing defined in claim 1;~~
a tower defining a z-axis;
a rotor coupled to the tower;
a rotor shaft defining an x-axis with the rotor shaft coupled to the rotor, the axis of the rotor shaft being located at a y-position y_s of a y-axis and the rotor shaft having a radius r ;
[[and]]

a main frame; and

a bearing housing comprising,

a flange for connecting the bearing housing to the main frame of the wind turbine; the flange having a connecting surface to be attached to the main frame of the wind turbine, wherein at least parts of the connecting surface, when seen from the top of the bearing housing, would be located below the rotor shaft, wherein the connecting surface of the flange includes a curved surface that extends from a first end to a second end of the flange.

17. (Previously presented) The wind turbine defined in claim 16 wherein the flange comprises a connecting surface which is partly positioned at a z-position below the rotor shaft and at the same time at a y-position between y_s-r and y_s+r .